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Art Unit: 2142  
Examiner: Harrell  
Docket No.: RPS9 2001 0134 US1

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

### Listing of Claims:

1 (currently amended). A method of responding to a client request for information from a server service device in a data processing network, comprising:

receiving the information request from the client;

opening a client-server connection between the client and the server;

responsive to receiving the client request and determining that at least a portion of the requested information is not in a cache of the server device, sending the a storage request to a network attached storage device;

responsive to the storage request, and generating a packet containing at least a portion of the requested information; and

sending the generated packet simultaneously to the client and to the server;

wherein the storage request includes protocol information corresponding to the client-server connection; and

wherein generating the packet includes using the protocol information to replicate a client-server protocol stack associated with the client-server connection in the generated packet.

2-3 (canceled).

4 (currently amended). The method of claim 3 1, wherein the packet includes a source address and wherein generating the packet further includes using the an IP address of the server as the source address.

5 (currently amended). The method of claim 1, wherein sending the generated packet comprises including a multicast address in the packet.

6 (currently amended). The method of claim 5, wherein the multicast address is incorporated at in a data link layer of the packet's protocol stack packet.

7 (original). The method of claim 5, wherein the generated packet is multicast to the server and to a gateway to which the client is connected via a wide area network.

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8 (original). The method of claim 5, wherein the generated packet is multicast to the server and to a client connected to the server via a local area network.

9 (currently amended). The method of claim 1, further comprising updating the server cache with the requested the portion of the information contained in the generated packet responsive to the server receiving the generated packet.

10 (currently amended). The method of claim 1, further comprising, responsive to a subsequent client request for the requested data, generating information, generating a second storage request if the server failed to receive the generated packet.

11 (currently amended). A data processing network, comprising:

a server ~~device~~ configured to receive from a client connected to the network, via a client-server connection, a request for information ~~requests from a client connected to the network;~~

a network attached storage device connected to the server ~~device~~ via a local area network;

server ~~device~~ code for determining if the ~~requested data~~ information is available in the ~~server's~~ a local cache of the server;

server ~~device~~ code for generating a storage request responsive to determining that the ~~requested data~~ information is not locally available;

storage device code for generating a packet containing at least a portion of the ~~requested~~ information responsive to the storage request; and

storage device code for sending the ~~generated~~ packet simultaneously to the client and to the server server;

wherein the storage request includes protocol information corresponding to the client-server connection; and

wherein generating the packet includes using the protocol information to replicate a protocol stack associated with the client-server connection in the packet.

12-13 (canceled).

14 (currently amended). The data processing network of claim 11, wherein generating the packet further includes using ~~the an~~ IP address of the server as ~~the a~~ source address for the packet.

15 (currently amended). The data processing network of claim 11, wherein the code for ~~sending the generated~~ generating the packet comprises including a multicast address in the packet.

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16 (currently amended). The data processing network of claim 15, wherein the multicast address is incorporated at a data link layer of the ~~protocol stack~~ packet.

17 (currently amended). The data processing network of claim 15, wherein the generated packet is multicast to the server and to a gateway to which the client is connected via a wide area network.

18 (currently amended). The data processing network of claim 15, wherein the generated packet is multicast to the server and to a client connected to the server via a local area network.

19 (currently amended). The data processing network of claim 11, further comprising server code for updating the local cache of the server ~~cache~~ with the requested portion of the information in the packet responsive to the server receiving the generated packet.

20 (currently amended). The data processing network of claim 11, further comprising server code for generating a second storage request in response to a subsequent client request for the requested data information if the server failed to receive the generated packet.

21 (currently amended). A computer program product comprising ~~code means~~ computer executable instructions, stored on a computer readable medium, for generating ~~packets~~ a packet responsive to a client request for information, ~~the code means~~ the computer executable instructions comprising:

~~code means for determining that instructions for determining, by a server, that the requested information is not available in a server cache;~~

~~code means~~ instructions for sending a storage request to a network attached storage device;

~~code means~~ instructions for retrieving the requested information from a network attached storage device disk and generating a packet containing at least a portion of the requested information; and

~~code means~~ instructions for sending the generated packet simultaneously to the client and the server ~~server~~;

wherein the storage request includes protocol information corresponding to the client-server connection;

wherein the instructions for generating the packet include instructions for using the information to replicate a client-server protocol stack in the generated packet.

22-23 (canceled).

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24 (currently amended). The computer program product of claim 23 21, wherein the ~~code means~~ instructions for sending generating the generated packet comprises ~~code means~~ instructions for including a multicast address in the packet, wherein the multicast address identifies the client and the server.

25 (currently amended). The computer program product of claim 21, further comprising ~~code means~~ instructions for updating the server cache with the ~~requested~~ portion of the information contained in the packet responsive to the server receiving the generated packet.

26 (currently amended). The computer program product of claim 21, further comprising ~~code means~~ instructions for generating a second storage request in response to a subsequent client request for the ~~requested data~~ information if the server failed to receive the generated packet.